Name:　　　　　　　　Due Date:　　　　Teacher:　　　　Parent Sign:

2. Convert $\frac{2}{3}$ to a decimal.

3. Word problem: A recipe needs $\frac{1}{6}$ cup of oil. Write this amount as a decimal.

4. Convert $\frac{5}{6}$ to a decimal.

5. Convert $\frac{1}{7}$ to a decimal.

6. Word problem: A toy car travels $\frac{2}{7}$ of a meter each second. Write this distance as a decimal.

7. Convert $\frac{3}{11}$ to a decimal.

8. Convert $\frac{7}{11}$ to a decimal.

9. Convert $\frac{4}{9}$ to a decimal.

10. Convert $\frac{8}{9}$ to a decimal.

11. Convert $\frac{13}{27}$ to a decimal.

12. Word problem: A bottle holds $\frac{5}{12}$ liter of juice. Express this volume as a decimal.

13. Convert $\frac{7}{12}$ to a decimal.

14. Convert $\frac{11}{13}$ to a decimal.

15. Word problem: A ribbon is $\frac{17}{30}$ meter long. Express its length as a decimal.

Sub-topic B – Converting repeating decimals to fractions (part 1: pure repeating decimals) (questions 16-32)

16. Convert 0.(3) to a fraction.

17. Convert 0.(6) to a fraction.

18. Word problem: The probability of a certain outcome is 0.(09). Write that probability as a fraction.

19. Convert 0.(142857) to a fraction.

20. Convert 0.(27) to a fraction.

21. Convert 0.(81) to a fraction.

22. Convert 0.(456) to a fraction (simplify).

23. Convert 0.(04) to a fraction.

24. Convert 0.(909) to a fraction (simplify).

25. Convert 0.(285714) to a fraction.

26. Convert 0.(4) to a fraction.

27. Convert 0.(012) to a fraction (simplify).

28. Convert 0.(18) to a fraction.

29. Convert 0.(7) to a fraction.

30. Convert 0.(21) to a fraction (simplify).

31. Convert 0.(36) to a fraction (simplify).

32. Convert 0.(001) to a fraction.

Sub-topic C – Converting repeating decimals to fractions (part 2: decimals with a non-repeating part then a repeating part) (questions 33-50)

33. Convert 0.1(6) to a fraction.

34. Convert 0.2(3) to a fraction.

35. Convert 0.0(9) to a fraction.

36. Word problem: A distance of 2.3(45) km is recorded. Express that distance as a fraction of a kilometer.

37. Convert 1.2(34) to a fraction.

38. Convert 0.58(3) to a fraction.

39. Convert 3.41(6) to a fraction.

40. Convert 0.04(52) to a fraction (simplify).

41. Convert 0.1(09) to a fraction (simplify).

42. Convert 0.3(142) to a fraction.

43. Convert 12.0(3) to a fraction.

44. Convert 0.16(36) to a fraction.

45. Convert 7.8(123) to a fraction (simplify).

46. Convert 0.00(7) to a fraction.

47. Convert 0.123(456) to a fraction (simplify if possible).

48. Convert 4.2(09) to a fraction (simplify).

49. Convert 0.6(01) to a fraction (simplify).

50. Word problem: A piece of wire measures 2.3(6) meters. Express its length as a fraction of a meter.